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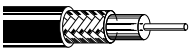
50 Ohm Transmission and Computer Cable

RG-58A/U Type

Jameco Part Number 232944 (8259-010-500)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper • 96% Tinned Copper Braid Shield																			
Foam Polyethylene Insulation • Black or White PVC Jacket																			
UL AWM	**8219**	NEC:	U-500▲	U-152.4	14.0	6.4	20 AWG	.114	2.90	TC Braid	.194	4.93	53.5	73%	26.5	86.9	1	.4	1.2
Style 1354		CM	500	152.4	16.0	7.3	(19x32)			96% Shield							10	1.3	4.3
(30V 80°C)		CEC:	U-1000▲	U-304.8	27.0	12.3	.037″			Coverage							50	3.1	10.2
		CM	1000	304.8	27.0	12.3	TC			4.1Ω/M′							100	4.5	14.8
							8.8Ω/M′			13.4Ω/km							200	6.6	21.7
							28.9Ω/km										400	10.0	32.8
																	700	14.2	46.6
P-MSHA • SC-182/5*																	900	16.6	54.5
▲U-500 ft. and U-1000 ft. put-ups available in White only.																	1000	18.1	59.4
RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper • Duobond® II + 55% Tinned Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM	**9311****	NEC:	500	152.4	14.5	6.6	20 AWG	.114	2.90	Duobond II	.193	4.90	52	75%	26.0	85.3	1	.5	1.6
Style 1354		CM	U-1000	U-304.8	23.0	10.5	(19x32)			+ 55% TC							10	1.5	4.9
(30V 80°C)		CEC:	1000	304.8	23.0	10.5	.037″			Braid							50	2.9	9.5
		CM					TC			17.0Ω/M′							100	4.0	13.1
							8.8Ω/M′			55.8Ω/km							200	5.7	18.7
							28.9Ω/km										400	8.5	27.9
																	700	12.2	40.0
																	900	14.5	47.6
																	1000	15.8	51.8
RG-58A/U Type • 20 AWG Stranded (19x33) .035″ Tinned Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
75°C	**8259**		100	30.5	3.5	1.6	20 AWG	.116	2.95	TC Braid	.192	4.88	50	66%	30.8	101.0	1	.4	1.4
			U-500	U-152.4	13.5	6.1	(19x33)			95% Shield							10	1.5	4.9
			500	152.4	16.0	7.3	.035″			Coverage							50	3.7	12.1
			U-1000	U-304.8	27.0	12.3	TC			4.1Ω/M′							100	5.4	17.7
			1000	304.8	27.0	12.3	10.8Ω/M′			13.4Ω/km							200	8.1	26.6
							35.4Ω/km										400	12.4	40.7
																	700	17.7	58.1
																	900	21.1	69.2
																	1000	22.8	74.8
RG-58A/U Type • 20 AWG Solid .032″ Bare Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM	**8240**	NEC:	100	30.5	3.7	1.7	20 AWG	.116	2.95	TC Braid	.193	4.90	51.5	66%	28.5	93.5	1	.3	1.1
Style 1354		CMX	U-500	U-152.4	14.5	6.6	(solid)			95% Shield							10	1.1	3.6
(30V 80°C)		CEC:	500	152.4	16.0	7.3	.033″			Coverage							50	2.5	8.2
		CMX	U-1000	U-304.8	28.0	12.7	BC			4.1Ω/M′							100	3.8	12.5
			1000	304.8	28.0	12.7	10.0Ω/M′			13.4Ω/km	For Plenum versions of 8240, see 88240 or 82240.						200	5.6	18.4
							32.8Ω/km										400	8.4	27.6
																	700	11.7	38.4
																	900	13.7	44.9
																	1000	14.5	47.6
Plenum • FEP Insulation • Black FEP Jacket																			
200°C	**88240**	NEC:	500†	152.4	14.0	6.4	20 AWG	.107	2.72	TC Braid	.159	4.04	53.5	69.5%	26.4	86.6	1	.5	1.6
		CMP	1000†	304.8	26.0	11.8	(solid)			95% Shield							10	1.2	3.9
		CEC:					.032″			Coverage							50	3.0	9.8
		CMP FT6					BC			6.7Ω/M′							100	4.3	14.2
							10.2Ω/M′			22.0Ω/km							200	6.4	21.0
							33.5Ω/km										400	9.7	31.7
																	700	13.7	45.0
																	900	16.1	52.8
																	1000	17.3	56.6
Plenum • FEP Insulation • Natural Flamarrest® Jacket																			
75°C	**82240**	NEC:	U-500†	U-152.4	12.5	5.7	20 AWG	.107	2.72	TC Braid	.159	4.04	53.5	69.5%	26.4	86.6	1	.5	1.6
		CMP	U-1000†	U-304.8	25.0	11.4	(solid)			95% Shield							10	1.2	3.9
		CEC:	1000†	304.8	25.0	11.4	.032″			Coverage							50	3.0	9.8
		CMP FT6					BC			6.7Ω/M′							100	4.3	14.2
							10.2Ω/M′			22.0Ω/km							200	6.4	21.0
							33.5Ω/km										400	9.7	31.7
																	700	13.7	45.0
																	900	16.1	52.8
																	1000	17.3	56.6

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotation of RG/U cables not listed.

*Pennsylvania Department of Environmental Resource and United States Mine Safety and Health Administration certification. **See Belden's website, www.belden.com, for connector information.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.